ISSUED

WP 05-WH1208

Revision 3

Payload Transfer Station

Technical Procedure

EFFECTIVE DATE: 12/05/2018

David Ripley
APPROVED FOR USE

THIS DOCUMENT IMPLEMENTS HWFP REQUIREMENTS.

WORKING COPY VERIFICATION
Revision Checked:
Page Count:
Name:
Signature:
Date and Time:

CONTINUOUS USE

TABLE OF CONTENTS

CHANGE HISTORY SUMMARY

REVISION NUMBER	DATE ISSUED	DESCRIPTION OF CHANGES
3	12/05/18	• Total rewrite. • Formatted to align with WP 15-PS.2, Procedure Writer's Manual. • Added Precautions and Limitations. • Added Acronyms. • Added Attachment 2, Leak Categorization. • Removed Sections related to Payload Transfer Station operation.

1.0 INTRODUCTION

1.1 PURPOSE

This procedure provides required instructions for inspecting PTS, Equipment #41-Z-041.

Performance of this procedure implements inspection requirements of the HWFP relative to the scope of, and as defined in, this document. Unless otherwise noted, this procedure is performed by Waste Handling personnel.

1.2 SCOPE

This procedure specifies HWFP preoperational PTS inspection requirements.

1.3 RECORDS

Records generated are handled in accordance with departmental RIDS. Performance of this procedure generates the following record.

- Equipment Logbook

2.0 REFERENCES

DOCUMENT NUMBER AND TITLE	BASELINE DOCUMENT	REFERENCED DOCUMENT	KEY STEP
40 Code of Federal Regulations §264.15, General Inspection Requirements	✓		
DOE Standard 1090-2007, Hoisting and Rigging	✓		
Hazardous Waste Facility Permit, Waste Isolation Pilot Plant, Permit No. NM4890139088-TSDF	✓		**($)**
Payload Transfer Station – Operations and Maintenance Manual	✓		
WP 04-AD3011, Equipment Lockout/Tagout	✓		
WP 04-AD3016, Equipment Out of Service Process		✓	
WP 05-WH1101, CH Surface Transuranic Mixed Waste Handling Area Inspections		✓	
WP 13-1, Nuclear Waste Partnership Quality Assurance Program Description	✓		
WP 15-GM1002, Issues Management Processing of WIPP Forms		✓	
WP 05-WH1208-JHA TP III Payload Transfer Station	✓		

2.1 ABBREVIATIONS AND ACRONYMS

AR	Action Request
FTV	Facility Transfer Vehicle
HMI	Human Machine Interface
HWFP	Hazardous Waste Facility Permit
OOS	Out of Service
PPE	Personal Protective Equipment
PTS	Payload Transfer Station
RWP	Radiological Work Permit
SEC	Site Environmental Compliance
SLB2	Standard Large Box 2
TP	TRUPACT
WHE	Waste Handling Engineer
WIPP	Waste Isolation Pilot Plant

3.0 PRECAUTIONS AND LIMITATIONS

3.1 PRECAUTIONS

- **HEAT STRESS HAZARDS** exist during TP-III general operations. Personnel are to practice heat stress mitigation strategy.
- **RADIOLOGICAL HAZARDS** exist when processing TP-III. Personnel are to read and sign the RWP and obey postings.
- **EYE, FOOT, HEAD, AND HAND HAZARDS** exist when connecting and disconnecting the payload. Personnel are to wear hard hats, leather (mechanics) gloves, safety/hard toed shoes, and follow PPE postings for the job.
- **MOVING/FALLING OBJECTS HAZARDS** exist during TP-III general operations. Personnel are to use a designated spotter.
- **PINCH POINTS HAZARDS** exist during TP-III general operations. Personnel are to wear leather (mechanics) gloves and maintain situational awareness.
- **ROTATING/MOVING EQUIPMENT HAZARDS** exist when FTV and roller table transition to and from PTS. Personnel are to maintain situational awareness.

- **SLIPS/TRIPS HAZARDS** exist during TP-III general operations and inspections. Personnel are to maintain good housekeeping.
- **VEHICLE TRAFFIC, HEAVY EQUIPMENT HAZARDS** exist during TP-III general operations. Personnel are to use a designated spotter and wear a high visibility vest.

3.2 LIMITATIONS

- Preoperational checks are required prior to first operation of the PTS on each shift to check for: **[HWFP Table E-1]**
  - Mechanical operability
  - Deterioration
  - Path clear of obstacles
  - Guards in proper place

4.0 PREREQUISITE ACTIONS

4.1 **REVIEW** Equipment Logbook for outstanding deficiencies and ARs.

5.0 PERFORMANCE

5.1 PREOPERATIONAL CHECKS

HWFP

5.1.1 **($) COMPLETE** Attachment 1, Payload Transfer Station Preoperational Checks. **[HWFP Table E-1]**

5.1.2 **NOTIFY** WHE of operational status **AND** deficiencies discovered and status of each.

[A] **IF** deficiencies are corrected when discovered,
THEN CHECK SAT on Attachment 1.

[B] **IF** deficiencies cannot be corrected when discovered,
THEN INITIATE AR,
AND CHECK UNSAT on Attachment 1.

5.1.3 **RECORD** the following information in the Equipment Logbook:

- Deficiencies found
- Procedure number
- Equipment number
- Hour meter reading
- Check SAT **OR** Problems Noted
- AR(s), if newly initiated or outstanding
- Date, time, and signature to document performance of preoperational check

5.1.4 **IF** in Waste Handling Mode,
THEN GO TO WP 05-WH1101, CH Surface Transuranic Mixed Waste Handling Area Inspections,
and **COMPLETE** Payload Transfer Station 41-Z-041 Section in Attachment 6, TP-III Preoperational Waste Handling Mode Checklist.

5.1.5 **IF** a HWFP required inspection becomes delinquent, **OR** failed, **THEN PERFORM** the following:

[A] Immediately **NOTIFY** on-call SEC Representative and CMRO of delinquent **OR** failed inspection.

[B] **RESCHEDULE AND COMPLETE** required inspection.

[C] **DOCUMENT** the following,
AND SUBMIT to PermitInspections@wipp.ws within five working days:

- Inspection document number.
- Description of facility, equipment involved.
- Schedule for inspection.
- Reason(s) why inspection was **NOT** performed or failed.
- Compensatory measures taken to offset negative impacts from **NOT** performing the inspection or equipment **NOT** providing its intended function.
- Actions to prevent further delinquencies.

[D] WHE, **GO TO** WP 15-GM1002, Issues Management Processing of WIPP Forms,
AND ENSURE a WIPP form is generated.

HWFP ($) Attachment 1 – Payload Transfer Station Preoperational Checks [HWFP Table E-1]

NOTE

Deficiencies corrected when discovered are considered satisfactory.

	INSPECTION	CRITERIA	SAT	NA	UNSAT
1	General Condition Checks PTS	41P-CP03/239 is **ON**	☐	☐	☐
		Payload Transfer Table is properly secured to an FTV	☐	☐	☐
		NO deterioration/damage which includes visible cracks, erosion, salt build-up, corrosion, malfunctions, and structural deterioration	☐	☐	☐
		NO loose parts	☐	☐	☐
		NO oil leaks, if leak is identified, refer to Attachment 2, Leak Categorization	☐	☐	☐
		NO grease	☐	☐	☐
		NO trash	☐	☐	☐
		ENSURE all guards are in proper place	☐	☐	☐
		NO excessive wear on Serapid chain assembly	☐	☐	☐
		NO excessive wear on auxiliary support stands	☐	☐	☐
		NO excessive wear on SLB2 support stands	☐	☐	☐
2	Cable	**CONNECT** control cables from main control enclosure to control box mounted on Serapid chain assembly	☐	☐	☐
4	Using HMI display	**PRESS** RAISE button for auxiliary support stands (support stands raise fully)	☐	☐	☐
		PRESS LOWER button for auxiliary support stands (auxiliary support stands are fully lowered)	☐	☐	☐
		PRESS EXTEND button for Serapid chain (Serapid chain extends towards end of roller table)	☐	☐	☐
		PRESS RETRACT button for Serapid chain (Serapid chain retracts fully)	☐	☐	☐
		PRESS EXTEND button for SLB2 support stands (SLB2 support stands extend fully)	☐	☐	☐
		PRESS RETRACT button for SLB2 support stands (SLB2 support stands retract fully)	☐	☐	☐
5	Cable	**DISCONNECT** control cable from control box mounted on Serapid chain assembly	☐	☐	☐

Attachment 2 – Leak Categorization

	TYPE 0	TYPE 1	TYPE 2	TYPE 3	TYPE 4
Indications:	No indications of moisture–dry	Dampness around hoses or engine compartments, including oil sheen	Dripping from a hose	Spraying from a hose or oil running down firewall, etc.	Ruptured hose (e.g., oil line, fuel line)
Status	**Operational**		**DO NOT OPERATE**		
Required Actions:	None	**RECORD** leak Type 1 and the source of the leak in equipment specific Logbook	[A] **TAG** equipment OOS with an OOS Tag per WP 04-AD3016, Equipment Out of Service Process [B] **SUBMIT** AR for repairs [C] **RECORD** leak type and AR number in equipment specific Logbook [D] **WHEN** repairs and cleanup are completed, the equipment can be put back into service		